

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P567346

Luminaire Tested: **8SNX-134SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-134SL-FDL-UNV-L830-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

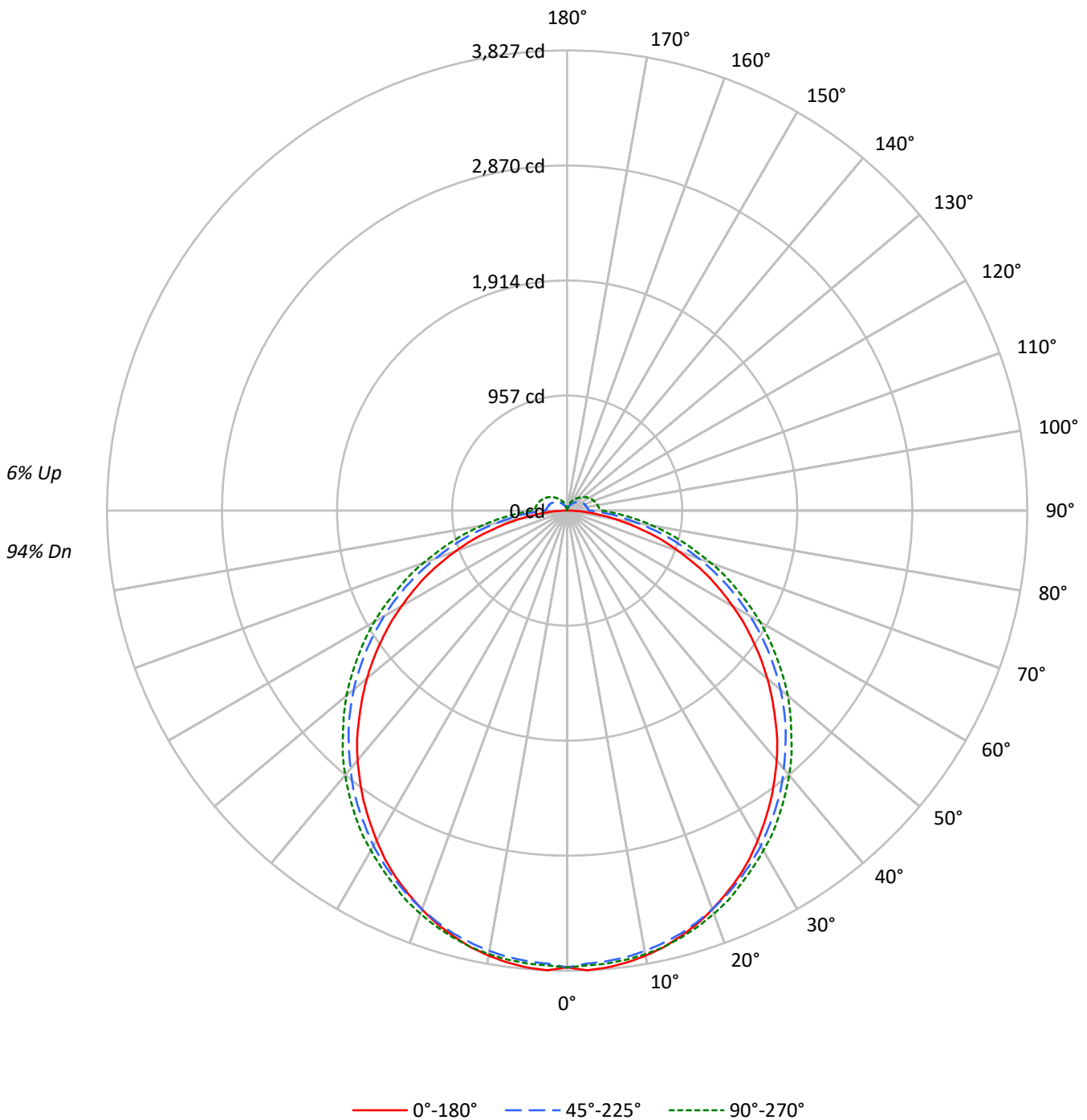
Lumens per Lamp: N/A  
Luminaire Lumens: 12073.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 95.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20447	20447	20447
5°	20596	20115	20139
10°	20521	19903	19886
15°	20377	19658	19602
20°	20178	19360	19268
25°	19948	19032	18872
30°	19631	18698	18508
35°	19314	18305	18126
40°	18963	17870	17698
45°	18519	17440	17198
50°	18093	16949	16741
55°	17563	16342	16106
60°	16968	15646	15483
65°	16343	14815	14622
70°	15258	13770	13730
75°	13954	12540	12662
80°	12036	10906	11480
85°	9721	9504	10088



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	360.3	3.0
10°-20°	1033.9	8.6
20°-30°	1566.8	13.0
30°-40°	1891.4	15.7
40°-50°	1975.1	16.4
50°-60°	1814.5	15.0
60°-70°	1434.9	11.9
70°-80°	908.1	7.5
80°-90°	390.4	3.2
90°-100°	171.8	1.4
100°-110°	153.8	1.3
110°-120°	129.9	1.1
120°-130°	101.2	0.8
130°-140°	70.1	0.6
140°-150°	42.1	0.3
150°-160°	20.5	0.2
160°-170°	7.1	0.1
170°-180°	1.0	0.0
0°-30°	2961.0	24.5
0°-40°	4852.4	40.2
0°-60°	8642.1	71.6
0°-90°	11375.4	94.2
90°-120°	455.5	3.8
90°-150°	668.9	5.5
90°-180°	698.0	5.8
0°-180°	12073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3799	3799	3799	3799	3799	
5°	3814	3803	3763	3795	3782	362
15°	3662	3662	3643	3682	3675	1033
25°	3367	3382	3386	3431	3425	1551
35°	2950	2985	3023	3070	3081	1844
45°	2446	2506	2570	2619	2636	1889
55°	1886	1963	2044	2110	2125	1687
65°	1298	1370	1467	1535	1559	1278
75°	684	765	877	951	988	725
85°	167	257	368	447	475	184
90°	11	92	188	263	291	14
95°	2	79	171	240	265	2
105°	2	73	160	224	248	2
115°	2	62	145	203	224	2
125°	4	56	122	175	195	4
135°	4	43	98	139	156	3
145°	4	32	68	105	115	3
155°	4	21	45	66	79	2
165°	6	15	24	32	45	2
175°	6	9	11	11	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3799.1	3799.1	3799.1	3799.1	3799.1
2.5°	3826.9	3814.1	3771.4	3801.3	3786.3
5°	3814.1	3803.4	3762.8	3794.9	3782.0
7.5°	3790.6	3782.0	3745.7	3779.9	3767.1
10°	3758.5	3752.1	3720.0	3754.2	3745.7
12.5°	3717.9	3715.8	3683.7	3722.2	3715.8
15°	3662.3	3662.3	3643.1	3681.6	3675.1
17.5°	3602.5	3604.6	3589.6	3630.2	3626.0
20°	3529.8	3540.5	3529.8	3572.5	3568.2
22.5°	3450.7	3465.6	3461.3	3504.1	3506.2
25°	3367.3	3382.2	3386.5	3431.4	3425.0
27.5°	3275.3	3298.9	3307.4	3348.0	3345.9
30°	3168.4	3200.5	3219.8	3254.0	3264.7
32.5°	3059.4	3097.9	3121.4	3168.4	3181.3
35°	2950.4	2984.6	3023.1	3070.1	3080.8
37.5°	2830.7	2869.1	2920.4	2965.3	2978.2
40°	2710.9	2753.7	2802.9	2852.0	2871.3
42.5°	2586.9	2631.8	2685.3	2743.0	2762.2
45°	2445.8	2505.7	2569.8	2619.0	2636.1
47.5°	2311.1	2377.4	2445.8	2499.3	2518.5
50°	2174.3	2244.9	2317.5	2366.7	2396.6
52.5°	2031.1	2108.0	2180.7	2242.7	2262.0
55°	1885.7	1962.6	2043.9	2110.2	2125.1
57.5°	1744.6	1819.4	1900.6	1962.6	1992.6
60°	1590.6	1671.9	1759.5	1821.5	1853.6
62.5°	1441.0	1520.1	1614.2	1680.4	1706.1
65°	1297.7	1370.4	1466.6	1535.1	1558.6
67.5°	1139.5	1222.9	1314.8	1393.9	1423.9
70°	983.5	1062.6	1167.3	1242.2	1272.1
72.5°	838.1	915.0	1019.8	1094.6	1122.4
75°	684.1	765.4	876.6	951.4	987.7
77.5°	536.6	626.4	733.3	814.6	855.2
80°	399.8	478.9	594.4	684.1	720.5
82.5°	271.5	357.0	476.8	560.1	600.8
85°	166.8	256.6	367.7	446.8	474.6
87.5°	79.1	164.6	267.2	344.2	378.4
90°	10.7	91.9	188.1	263.0	290.8
92.5°	2.1	79.1	173.2	243.7	269.4
95°	2.1	79.1	171.0	239.5	265.1
97.5°	2.1	77.0	168.9	237.3	260.8
100°	2.1	74.8	166.8	233.0	258.7
102.5°	2.1	74.8	162.5	228.8	252.3
105°	2.1	72.7	160.3	224.5	248.0
107.5°	2.1	70.6	156.1	220.2	243.7
110°	2.1	66.3	153.9	213.8	237.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	64.1	149.7	209.5	230.9
115°	2.1	62.0	145.4	203.1	224.5
117.5°	2.1	59.9	139.0	196.7	218.1
120°	4.3	59.9	134.7	190.3	209.5
122.5°	4.3	57.7	128.3	181.7	201.0
125°	4.3	55.6	121.9	175.3	194.6
127.5°	4.3	53.4	115.4	166.8	183.9
130°	4.3	49.2	111.2	158.2	175.3
132.5°	4.3	47.0	104.8	147.5	164.6
135°	4.3	42.8	98.3	139.0	156.1
137.5°	4.3	40.6	91.9	130.4	145.4
140°	4.3	38.5	83.4	121.9	136.8
142.5°	4.3	34.2	77.0	113.3	126.1
145°	4.3	32.1	68.4	104.8	115.4
147.5°	4.3	27.8	62.0	96.2	106.9
150°	4.3	25.7	55.6	87.7	98.3
152.5°	4.3	23.5	49.2	77.0	87.7
155°	4.3	21.4	44.9	66.3	79.1
157.5°	4.3	19.2	38.5	57.7	70.6
160°	6.4	17.1	34.2	49.2	59.9
162.5°	6.4	15.0	27.8	40.6	53.4
165°	6.4	15.0	23.5	32.1	44.9
167.5°	6.4	12.8	19.2	25.7	36.3
170°	6.4	10.7	17.1	19.2	27.8
172.5°	6.4	8.6	12.8	12.8	15.0
175°	6.4	8.6	10.7	10.7	6.4
177.5°	6.4	6.4	6.4	6.4	4.3
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)